# Author Index Vol. 689


Adam, M., see Špaček, P. 689(1997)404
Aspinwall, C.A., see Shen, H. 689(1997)295
Ausina, V., see Muñoz, M. 689(1997)341
Avery, M.J. and Fouda, H.G.
Development of a high-performance liquid chromatographic–atmospheric pressure chemical ionization–tandem mass spectrometric assay for β-tigogenin cellobioside in human serum 689(1997)365
Baba, S., see Hasegawa, H. 689(1997)287
Balestrieri, C., see Servillo, L. 689(1997)281
Bertino, J.R., see Waltham, M.C. 689(1997)387
Bian, N., see Wang, Z. 689(1997)195
Bílková, Z., Churáček, J., Kučerová, Z. and Turková, J.
Purification of anti-chymotrypsin antibodies for the preparation of a bioaffinity matrix with oriented chymotrypsin as immobilized ligand 689(1997)273
Björkhem, I., see Cui, J.-F. 689(1997)349
Blackwell, W., see Dasgupta, A. 689(1997)415
Boček, P., see Křivánková, L. 689(1997)13
Boos, K.-S., see Yu, Z. 689(1997)379
Bosma, E., see Louter, A.J.H. 689(1997)35
Boulton, A.A., see Durden, D.A. 689(1997)165
Brinkman, U.A.Th., see Louter, A.J.H. 689(1997)35
Brunsvig, A., see Jellum, E. 689(1997)155
Burns, E., see Dasgupta, A. 689(1997)415
Camussi, G., see Servillo, L. 689(1997)281
Carunchio, V., Castellano, P., Girelli, A.M. and Messina, A.
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305
Castellano, P., see Carunchio, V. 689(1997)305
Catterick, T., see White, S.A. 689(1997)335
Causon, R.
Validation of chromatographic methods in biomedical analysis. Viewpoint and discussion 689(1997)175
Chakel, J.A., Pungor, Jr., E., Hancock, W.S. and Swedberg, S.A.
Analysis of recombinant DNA-derived glycoproteins via high-performance capillary electrophoresis coupled with off-line matrix-assisted laser desorption ionization time-of-flight mass spectrometry 689(1997)215
Chapman, C.M., see Poole, C.F. 689(1997)245
Churáček, J., see Bílková, Z. 689(1997)273
Cui, J.-F., Björkhem, I. and Eneroth, P.
Gas chromatographic–mass spectrometric determination of 20(*S*)-protopanaxadiol and 20(*S*)-protopanaxatriol for study on human urinary excretion of ginsenosides after ingestion of ginseng preparations 689(1997)349
Dasgupta, A., Blackwell, W. and Burns, E.
Gas chromatographic–mass spectrometric identification and quantitation of urinary phenols after derivatization with 4-carbethoxyhexafluorobutyryl chloride, a novel derivative 689(1997)415
Davankov, V.A., Pavlova, L.A., Tsyurupa, M.P. and Tur, D.R.
Novel polymeric solid-phase extraction material for complex biological matrices. Portable and disposable artificial kidney 689(1997)117
Davis, B.A., see Durden, D.A. 689(1997)165
De Battisti, Z., see Tagliaro, F. 689(1997)261
De Leenheer, A.P., see Lambert, W.E. 689(1997)45
Deng, Y., Maruyama, W., Kawai, M., Dostert, P., Yamamura, H., Takahashi, T. and Naoi, M.
Assay for the (*R*)- and (*S*)-enantiomers of salsolinols in biological samples and foods with ion-pair high-performance liquid chromatography using β-cyclodextrin as a chiral mobile phase additive 689(1997)313
Deyl, Z., Novotná, J., Mikšík, I., Jelínková, D., Uhrová, M. and Suchánek, M.
Quantitation of collagen types I, III and V in tissue slices by capillary electrophoresis after cyanogen bromide solubilization 689(1997)181
De Zeeuw, R.A.
Drug screening in biological fluids. The need for a systematic approach 689(1997)71
Di Eugenio, P., see Lämmerhofer, M. 689(1997)123
Dollekamp, H., see Jellum, E. 689(1997)155
Dostert, P., see Deng, Y. 689(1997)313
Durden, D.A., Davis, B.A. and Boulton, A.A.
Enantioselective gas chromatographic assay of 2-alkylamines using N-(trifluoroacetyl)prolyl derivatives and a chiral capillary column 689(1997)165
Eneroth, P., see Cui, J.-F. 689(1997)349
Fell, A.F., see Wsól, V. 689(1997)205
Fouda, H.G., see Avery, M.J. 689(1997)365
Fried, K. and Wainer, I.W.
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91
Furusawa, M., see Kiba, N. 689(1997)393
Garcia-Barceló, M., see Muñoz, M. 689(1997)341
Germadnik, D., Pilger, A. and Rüdiger, H.W.
Assay for the determination of urinary 8-hydroxy-2′-deoxyguanosine by high-performance liquid chromatography with electrochemical detection 689(1997)399
Giese, R.W., see Wang, Z. 689(1997)195
Giovane, A., see Servillo, L. 689(1997)281
Girelli, A.M., see Carunchio, V. 689(1997)305
Gislefoss, R., see Jellum, E. 689(1997)155
Göker, E., see Waltham, M.C. 689(1997)387
Grefslie, H., see Krogh, M. 689(1997)357
Gritsman, H., see Waltham, M.C. 689(1997)387
Hais, I.M., see Wsól, V. 689(1997)205
Hancock, W.S., see Chakel, J.A. 689(1997)215
Harrison, M.E., see White, S.A. 689(1997)335
Hasegawa, H., Nakamura, A., Shinohara, Y. and Baba, S.
Determination of [D-Ala$^2$,D-Leu$^5$]enkephalin and the metabolites containing C-terminal D-leucine by high-performance liquid chromatography 689(1997)287
Hoekstra-Oussoren, S.J.F., see Lingeman, H. 689(1997)221
Hulejová, H., see Špaček, P. 689(1997)404
Iorio, E.L., see Servillo, L. 689(1997)281
Jelínková, D., see Deyl, Z. 689(1997)181
Jellum, E., Dollekamp, H., Brunsvig, A. and Gislefoss, R.
Diagnostic applications of chromatography and capillary electrophoresis 689(1997)155
Johnston, D.E., see White, S.A. 689(1997)335
Julián, E., see Muñoz, M. 689(1997)341
Kamanikom, B., see Na-Bangchang, K. 689(1997)433
Karbwang, J., see Na-Bangchang, K. 689(1997)433

# Author Index Vol. 689


Adam, M., see Špaček, P. 689(1997)404
Aspinwall, C.A., see Shen, H. 689(1997)295
Ausina, V., see Muñoz, M. 689(1997)341
Avery, M.J. and Fouda, H.G.
Development of a high-performance liquid chromatographic–atmospheric pressure chemical ionization–tandem mass spectrometric assay for β-tigogenin cellobioside in human serum 689(1997)365
Baba, S., see Hasegawa, H. 689(1997)287
Balestrieri, C., see Servillo, L. 689(1997)281
Bertino, J.R., see Waltham, M.C. 689(1997)387
Bian, N., see Wang, Z. 689(1997)195
Bílková, Z., Churáček, J., Kučerová, Z. and Turková, J.
Purification of anti-chymotrypsin antibodies for the preparation of a bioaffinity matrix with oriented chymotrypsin as immobilized ligand 689(1997)273
Björkhem, I., see Cui, J.-F. 689(1997)349
Blackwell, W., see Dasgupta, A. 689(1997)415
Boček, P., see Křivánková, L. 689(1997)13
Boos, K.-S., see Yu, Z. 689(1997)379
Bosma, E., see Louter, A.J.H. 689(1997)35
Boulton, A.A., see Durden, D.A. 689(1997)165
Brinkman, U.A.Th., see Louter, A.J.H. 689(1997)35
Brunsvig, A., see Jellum, E. 689(1997)155
Burns, E., see Dasgupta, A. 689(1997)415
Camussi, G., see Servillo, L. 689(1997)281
Carunchio, V., Castellano, P., Girelli, A.M. and Messina, A.
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305
Castellano, P., see Carunchio, V. 689(1997)305
Catterick, T., see White, S.A. 689(1997)335
Causon, R.
Validation of chromatographic methods in biomedical analysis. Viewpoint and discussion 689(1997)175
Chakel, J.A., Pungor, Jr., E., Hancock, W.S. and Swedberg, S.A.
Analysis of recombinant DNA-derived glycoproteins via high-performance capillary electrophoresis coupled with off-line matrix-assisted laser desorption ionization time-of-flight mass spectrometry 689(1997)215
Chapman, C.M., see Poole, C.F. 689(1997)245
Churáček, J., see Bílková, Z. 689(1997)273
Cui, J.-F., Björkhem, I. and Eneroth, P.
Gas chromatographic–mass spectrometric determination of 20(*S*)-protopanaxadiol and 20(*S*)-protopanaxatriol for study on human urinary excretion of ginsenosides after ingestion of ginseng preparations 689(1997)349
Dasgupta, A., Blackwell, W. and Burns, E.
Gas chromatographic–mass spectrometric identification and quantitation of urinary phenols after derivatization with 4-carbethoxyhexafluorobutyryl chloride, a novel derivative 689(1997)415
Davankov, V.A., Pavlova, L.A., Tsyurupa, M.P. and Tur, D.R.
Novel polymeric solid-phase extraction material for complex biological matrices. Portable and disposable artificial kidney 689(1997)117
Davis, B.A., see Durden, D.A. 689(1997)165
De Battisti, Z., see Tagliaro, F. 689(1997)261
De Leenheer, A.P., see Lambert, W.E. 689(1997)45
Deng, Y., Maruyama, W., Kawai, M., Dostert, P., Yamamura, H., Takahashi, T. and Naoi, M.
Assay for the (*R*)- and (*S*)-enantiomers of salsolinols in biological samples and foods with ion-pair high-performance liquid chromatography using β-cyclodextrin as a chiral mobile phase additive 689(1997)313
Deyl, Z., Novotná, J., Mikšík, I., Jelínková, D., Uhrová, M. and Suchánek, M.
Quantitation of collagen types I, III and V in tissue slices by capillary electrophoresis after cyanogen bromide solubilization 689(1997)181
De Zeeuw, R.A.
Drug screening in biological fluids. The need for a systematic approach 689(1997)71
Di Eugenio, P., see Lämmerhofer, M. 689(1997)123
Dollekamp, H., see Jellum, E. 689(1997)155
Dostert, P., see Deng, Y. 689(1997)313
Durden, D.A., Davis, B.A. and Boulton, A.A.
Enantioselective gas chromatographic assay of 2-alkylamines using N-(trifluoroacetyl)prolyl derivatives and a chiral capillary column 689(1997)165
Eneroth, P., see Cui, J.-F. 689(1997)349
Fell, A.F., see Wsól, V. 689(1997)205
Fouda, H.G., see Avery, M.J. 689(1997)365
Fried, K. and Wainer, I.W.
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91
Furusawa, M., see Kiba, N. 689(1997)393
Garcia-Barceló, M., see Muñoz, M. 689(1997)341
Germadnik, D., Pilger, A. and Rüdiger, H.W.
Assay for the determination of urinary 8-hydroxy-2′-deoxyguanosine by high-performance liquid chromatography with electrochemical detection 689(1997)399
Giese, R.W., see Wang, Z. 689(1997)195
Giovane, A., see Servillo, L. 689(1997)281
Girelli, A.M., see Carunchio, V. 689(1997)305
Gislefoss, R., see Jellum, E. 689(1997)155
Göker, E., see Waltham, M.C. 689(1997)387
Grefslie, H., see Krogh, M. 689(1997)357
Gritsman, H., see Waltham, M.C. 689(1997)387
Hais, I.M., see Wsól, V. 689(1997)205
Hancock, W.S., see Chakel, J.A. 689(1997)215
Harrison, M.E., see White, S.A. 689(1997)335
Hasegawa, H., Nakamura, A., Shinohara, Y. and Baba, S.
Determination of [D-Ala$^2$,D-Leu$^5$]enkephalin and the metabolites containing C-terminal D-leucine by high-performance liquid chromatography 689(1997)287
Hoekstra-Oussoren, S.J.F., see Lingeman, H. 689(1997)221
Hulejová, H., see Špaček, P. 689(1997)404
Iorio, E.L., see Servillo, L. 689(1997)281
Jelínková, D., see Deyl, Z. 689(1997)181
Jellum, E., Dollekamp, H., Brunsvig, A. and Gislefoss, R.
Diagnostic applications of chromatography and capillary electrophoresis 689(1997)155
Johnston, D.E., see White, S.A. 689(1997)335
Julián, E., see Muñoz, M. 689(1997)341
Kamanikom, B., see Na-Bangchang, K. 689(1997)433
Karbwang, J., see Na-Bangchang, K. 689(1997)433

Katagi, M., Nishikawa, M., Tatsuno, M. and Tsuchihashi, H.
Determination of the main hydrolysis product of *O*-ethyl *S*-2-diisopropylaminoethyl methylphosphonothiolate, ethyl methylphosphonic acid, in human serum 689(1997)327
Kawai, M., see Deng, Y. 689(1997)313
Kawasaki, M., see Shimada, K. 689(1997)409
Kennedy, R.T., see Shen, H. 689(1997)295
Kiba, N., Saegusa, K. and Furusawa, M.
Post-column enzyme reactors for chemiluminometric detection of glucose, 1,5-anhydroglucitol and 3-hydroxybutyrate in an anion-exchange chromatographic system 689(1997)393
Kim, S.H., see Shim, H.J. 689(1997)422
Kim, W.B., see Shim, H.J. 689(1997)422
Kitama, N., see Shimada, K. 689(1997)409
Klíma, J., see Macek, J. 689(1997)239
Koezuka, K., Ozaki, H., Matsubara, N. and Terabe, S.
Separation and detection of closely related peptides by micellar electrokinetic chromatography coupled with electrospray ionization mass spectrometry using the partial filling technique 689(1997)3
Kraemer, T., see Maurer, H.H. 689(1997)81
Křivánková, L. and Boček, P.
Synergism of capillary isotachophoresis and capillary zone electrophoresis 689(1997)13
Krogh, M., Grefslie, H. and Rasmussen, K.E.
Solvent-modified solid-phase microextraction for the determination of diazepam in human plasma samples by capillary gas chromatography 689(1997)357
Krstulovic, A.M. and Lee, C.R.
Defining drug purity through chromatographic and related methods: current status and perspectives 689(1997)137
Kučerová, Z., see Bílková, Z. 689(1997)273
Kurono, M., Suzuki, K., Yoshida, K. and Naruto, S.
Simultaneous determination of a novel calcium entry blocker, monatepil maleate, and its metabolites in rat plasma by means of solid-phase extraction and reversed-phase liquid chromatography with electrochemical detection 689(1997)427
Kvasničková, E., see Wsól, V. 689(1997)205
Lagerström, P.-O., see Svennberg, H. 689(1997)371
Lambert, W.E., Van Bocxlaer, J.F. and De Leenheer, A.P.
Potential of high-performance liquid chromatography with photodiode array detection in forensic toxicology 689(1997)45
Lämmerhofer, M., Di Eugenio, P., Molnar, I. and Lindner, W.
Computerized optimization of the high-performance liquid chromatographic enantioseparation of a mixture of 4-dinitrophenyl amino acids on a quinine carbamate-type chiral stationary phase using DRYLAB 689(1997)123
Ledvinka, O., see Maurer, H.H. 689(1997)81
Lee, C.R., see Krstulovic, A.M. 689(1997)137
Lee, J.J., see Shim, H.J. 689(1997)422
Lee, M.G., see Shim, H.J. 689(1997)422
Lee, S.D., see Shim, H.J. 689(1997)422
Li, W.-W., see Waltham, M.C. 689(1997)387
Lin, S., see Waltham, M.C. 689(1997)387
Lindner, W., see Lämmerhofer, M. 689(1997)123
Lingeman, H. and Hoekstra-Oussoren, S.J.F.
Particle-loaded membranes for sample concentration and/or clean-up in bioanalysis 689(1997)221
Louter, A.J.H., Bosma, E., Schipperen, J.C.A., Vreuls, J.J. and Brinkman, U.A.Th.
Automated on-line solid-phase extraction–gas chromatography with nitrogen–phosphorus detection: determination of benzodiazepines in human plasma 689(1997)35
Luquin, M., see Muñoz, M. 689(1997)341
Macek, J., Ptáček, P. and Klíma, J.
Determination of omeprazole in human plasma by high-performance liquid chromatography 689(1997)239
Manetto, G., see Tagliaro, F. 689(1997)261
Marigo, M., see Tagliaro, F. 689(1997)261
Maruyama, W., see Deng, Y. 689(1997)313
Matsubara, N., see Koezuka, K. 689(1997)3
Maurer, H.H., Kraemer, T., Ledvinka, O., Schmitt, C.J. and Weber, A.A.
Gas chromatography–mass spectrometry (GC–MS) and liquid chromatography–mass spectrometry (LC–MS) in toxicological analysis. Studies on the detection of clobenzorex and its metabolites within a systematic toxicological analysis procedure by GC–MS and by immunoassay and studies on the detection of α- and β-amanitin in urine by atmospheric pressure ionization electrospray LC–MS 689(1997)81
Messina, A., see Carunchio, V. 689(1997)305
Mikšík, I., see Deyl, Z. 689(1997)181
Mitamura, K., see Shimada, K. 689(1997)409
Molnar, I., see Lämmerhofer, M. 689(1997)123
Muñoz, M., Julián, E., Garcia-Barceló, M., Ausina, V. and Luquin, M.
Easy differentiation of *Mycobacterium mucogenicum* from other species of the *Mycobacterium fortuitum* complex by thin-layer and gas chromatography of fatty esters and alcohols 689(1997)341
Na-Bangchang, K., Tan-ariya, P., Ubalee, R., Kamanikom, B. and Karbwang, J.
Alternative method for determination of pyrimethamine in plasma by high-performance liquid chromatography 689(1997)433
Nakamura, A., see Hasegawa, H. 689(1997)287
Naoi, M., see Deng, Y. 689(1997)313
Naruto, S., see Kurono, M. 689(1997)427
Nishikawa, M., see Katagi, M. 689(1997)327
Novotná, J., see Deyl, Z. 689(1997)181
Novotny, M.V.
Capillary biomolecular separations 689(1997)55
Ozaki, H., see Koezuka, K. 689(1997)3
Pauwels, R.A., see Rosseel, M.T. 689(1997)438
Pavlova, L.A., see Davankov, V.A. 689(1997)117
Peleman, R., see Rosseel, M.T. 689(1997)438
Pilger, A., see Germadnik, D. 689(1997)399
Poole, C.F., Poole, S.K., Seibert, D.S. and Chapman, C.M.
Determination of kinetic and retention properties of cartridge and disk devices for solid-phase extraction 689(1997)245
Poole, S.K., see Poole, C.F. 689(1997)245
Ptáček, P., see Macek, J. 689(1997)239
Pungor, Jr., E., see Chakel, J.A. 689(1997)215
Quagliuolo, L., see Servillo, L. 689(1997)281
Rasmussen, K.E., see Krogh, M. 689(1997)357
Reed, G.D., see White, S.A. 689(1997)335

Rosseel, M.T., Peleman, R., Van Hoorebeke, H. and Pauwels, R.A.
Measurement of cefuroxime in human bronchoalveolar lavage fluid by high-performance liquid chromatography after solid-phase extraction 689(1997)438
Rüdiger, H.W., see Germadnik, D. 689(1997)399
Saegusa, K., see Kiba, N. 689(1997)393
Schipperen, J.C.A., see Louter, A.J.H. 689(1997)35
Schmitt, C.J., see Maurer, H.H. 689(1997)81
Seibert, D.S., see Poole, C.F. 689(1997)245
Servillo, L., Iorio, E.L., Quagliuolo, L., Camussi, G., Balestrieri, C. and Giovane, A.
Simultaneous determination of lysophospholipids by high-performance liquid chromatography with fluorescence detection 689(1997)281
Shen, H., Aspinwall, C.A. and Kennedy, R.T.
Dual microcolumn immunoassay applied to determination of insulin secretion from single islets of Langerhans and insulin in serum 689(1997)295
Shim, H.J., Lee, J.J., Lee, S.D., Kim, W.B., Yang, J., Kim, S.H. and Lee, M.G.
Determination of a new non-narcotic analgesic, DA-5018, in plasma, urine and bile by high-performance liquid chromatography 689(1997)422
Shimada, K., Mitamura, K., Kitama, N. and Kawasaki, M.
Determination of 25-hydroxyvitamin $D_3$ in human plasma by reversed-phase high-performance liquid chromatography with ultraviolet detection 689(1997)409
Shinohara, Y., see Hasegawa, H. 689(1997)287
Smith, F.P., see Tagliaro, F. 689(1997)261
Snyder, L.R.
Changing reversed-phase high performance liquid chromatography selectivity. Which variables should be tried first? 689(1997)105
Špaček, P., Hulejová, H. and Adam, M.
Determination of pyridinium crosslinks in serum. An optimization of sample preparation 689(1997)404
Suchánek, M., see Deyl, Z. 689(1997)181
Suzuki, K., see Kurono, M. 689(1997)427
Svennberg, H. and Lagerström, P.-O.
Evaluation of an on-line solid-phase extraction method for determination of almokalant, an antiarrhythmic drug, by liquid chromatography 689(1997)371
Swedberg, S.A., see Chakel, J.A. 689(1997)215
Tagliaro, F., Smith, F.P., De Battisti, Z., Manetto, G. and Marigo, M.
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies (Review) 689(1997)261
Takahashi, T., see Deng, Y. 689(1997)313
Tan-ariya, P., see Na-Bangchang, K. 689(1997)433
Tatsuno, M., see Katagi, M. 689(1997)327
Terabe, S., see Koezuka, K. 689(1997)3
Tong, W. and Yeung, E.S.
Monitoring single-cell pharmacokinetics by capillary electrophoresis and laser-induced native fluorescence 689(1997)321
Tong, W.P., see Waltham, M.C. 689(1997)387
Tsuchihashi, H., see Katagi, M. 689(1997)327
Tsyurupa, M.P., see Davankov, V.A. 689(1997)117
Tur, D.R., see Davankov, V.A. 689(1997)117
Turková, J., see Bílková, Z. 689(1997)273
Ubalee, R., see Na-Bangchang, K. 689(1997)433
Uhrová, M., see Deyl, Z. 689(1997)181
Van Bocxlaer, J.F., see Lambert, W.E. 689(1997)45
Van Hoorebeke, H., see Rosseel, M.T. 689(1997)438
Vreuls, J.J., see Louter, A.J.H. 689(1997)35
Wainer, I.W., see Fried, K. 689(1997)91
Waltham, M.C., Lin, S., Li, W.-W., Göker, E., Gritsman, H., Tong, W.P. and Bertino, J.R.
Capillary electrophoresis of methotrexate polyglutamates and its application in evaluation of γ-glutamyl hydrolase activity 689(1997)387
Wang, Z., Bian, N. and Giese, R.W.
Electron-capture detection: difluorobenzyl and related electrophores 689(1997)195
Webb, K.S., see White, S.A. 689(1997)335
Weber, A.A., see Maurer, H.H. 689(1997)81
Westerlund, D., see Yu, Z. 689(1997)379
White, S.A., Catterick, T., Harrison, M.E., Johnston, D.E., Reed, G.D. and Webb, K.S.
Determination of lysergide in urine by high-performance liquid chromatography combined with electrospray ionisation mass spectrometry 689(1997)335
Wsól, V., Fell, A.F., Kvasničková, E. and Hais, I.M.
Separation of the stereoisomers of the main metabolite of a non-steroidal anti-inflammatory drug, flobufen, by chiral high-performance liquid chromatography 689(1997)205
Yamamura, H., see Deng, Y. 689(1997)313
Yang, J., see Shim, H.J. 689(1997)422
Yeung, E.S., see Tong, W. 689(1997)321
Yoshida, K., see Kurono, M. 689(1997)427
Yu, Z., Westerlund, D. and Boos, K.-S.
Determination of methotrexate and its metabolite 7-hydroxymethotrexate by direct injection of human plasma into a column-switching liquid chromatographic system using post-column photochemical reaction with fluorimetric detection 689(1997)379

# Compound Index Vol. 689

**$\beta_2$-Agonists**
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**Alcohols**
Easy differentiation of *Mycobacterium mucogenicum* from other species of the *Mycobacterium fortuitum* complex by thin-layer and gas chromatography of fatty esters and alcohols 689(1997)341

**2-Alkylamines**
Enantioselective gas chromatographic assay of 2-alkylamines using N-(trifluoroacetyl)prolyl derivatives and a chiral capillary column 689(1997)165

**Almokalant**
Evaluation of an on-line solid-phase extraction method for determination of almokalant, an antiarrhythmic drug, by liquid chromatography 689(1997)371

**Amanitin**
Gas chromatography–mass spectrometry (GC–MS) and liquid chromatography–mass spectrometry (LC–MS) in toxicological analysis
689(1997)81

**Amino acids**
Computerized optimization of the high-performance liquid chromatographic enantioseparation of a mixture of 4-dinitrophenyl amino acids on a quinine carbamate-type chiral stationary phase using DRYLAB 689(1997)123

**4-Amino-10-methylfolic acid**
Determination of methotrexate and its metabolite 7-hydroxymethotrexate by direct injection of human plasma into a column-switching liquid chromatographic system using post-column photochemical reaction with fluorimetric detection 689(1997)379

**4-Amino-10-methylpteroylglutamate**
Capillary electrophoresis of methotrexate polyglutamates and its application in evaluation of $\gamma$-glutamyl hydrolase activity 689(1997)387

**Amphetamines**
Gas chromatography–mass spectrometry (GC–MS) and liquid chromatography–mass spectrometry (LC–MS) in toxicological analysis
689(1997)81

Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**Angiotensin**
Separation and detection of closely related peptides by micellar electrokinetic chromatography coupled with electrospray ionization mass spectrometry using the partial filling technique 689(1997)3

**1,5-Anhydroglucitol**
Post-column enzyme reactors for chemiluminometric detection of glucose, 1,5-anhydroglucitol and 3-hydroxybutyrate in an anion-exchange chromatographic system 689(1997)393

**Antibiotics**
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**Antibodies, anti-chymotrypsin**
Purification of anti-chymotrypsin antibodies for the preparation of a bioaffinity matrix with oriented chymotrypsin as immobilized ligand 689(1997)273

**Artificial kidney**
Novel polymeric solid-phase extraction material for complex biological matrices
689(1997)117

**Aspartate aminotransferase**
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305

**3′-Azido-3′-deoxythymidine**
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91

**Benzodiazepines**
Automated on-line solid-phase extraction–gas chromatography with nitrogen–phosphorus detection: determination of benzodiazepines in human plasma 689(1997)35

**Cannabinoids**
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**4-Carbethoxyhexafluorobutyryl chloride**
Gas chromatographic–mass spectrometric identification and quantitation of urinary phenols after derivatization with 4-carbethoxyhexafluorobutyryl chloride, a novel derivative 689(1997)415

**Cefuroxime**
Measurement of cefuroxime in human bronchoalveolar lavage fluid by high-performance liquid chromatography after solid-phase extraction 689(1997)438

**Chymotrypsin**
Purification of anti-chymotrypsin antibodies for the preparation of a bioaffinity matrix with oriented chymotrypsin as immobilized ligand 689(1997)273

**Clobazam**
Automated on-line solid-phase extraction–gas chromatography with nitrogen–phosphorus detection: determination of benzodiazepines in human plasma 689(1997)35

**Clobenzorex**
Gas chromatography–mass spectrometry (GC–MS) and liquid chromatography–mass spectrometry (LC–MS) in toxicological analysis
689(1997)81

**Cocaine**
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**Collagens**
Determination of pyridinium crosslinks in serum. An optimization of sample preparation 689(1997)404

Quantitation of collagen types I, III and V in tissue slices by capillary electrophoresis after cyanogen bromide solubilization 689(1997)181

**DA-5018**
Determination of a new non-narcotic analgesic, DA-5018, in plasma, urine and bile by high-performance liquid chromatography 689(1997)422

**Desmodus salivary plasinogen activator**
Analysis of recombinant DNA-derived glycoproteins via high-performance capillary electrophoresis coupled with off-line matrix-assisted laser desorption ionization time-of-flight mass spectrometry 689(1997)215

**Diagnostic metabolites**
Diagnostic applications of chromatography and capillary electrophoresis 689(1997)155

**Diazepam**
Automated on-line solid-phase extraction–gas chromatography with nitrogen–phosphorus detection: determination of benzodiazepines in human plasma 689(1997)35

Solvent-modified solid-phase microextraction for the determination of diazepam in human plasma samples by capillary gas chromatography 689(1997)357

**Difluorobenzyl derivatives**
Electron-capture detection: difluorobenzyl and related electrophores 689(1997)195

**Digitonin**
Monitoring single-cell pharmacokinetics by capillary electrophoresis and laser-induced native fluorescence 689(1997)321

**N-[3-(3,4-Dimethylphenyl)propyl]-4-(2-aminoethoxy)-3-methoxyphenylacetamide hydrochloride**
Determination of a new non-narcotic analgesic, DA-5018, in plasma, urine and bile by high-performance liquid chromatography 689(1997)422

**4-Dinitrophenylamino acids**
Computerized optimization of the high-performance liquid chromatographic enantioseparation of a mixture of 4-dinitrophenyl amino acids on a quinine carbamate-type chiral stationary phase using DRYLAB 689(1997)123

**DNA**
Capillary biomolecular separations 689(1997)55

Analysis of recombinant DNA-derived glycoproteins via high-performance capillary electrophoresis coupled with off-line matrix-assisted laser desorption ionization time-of-flight mass spectrometry 689(1997)215

Assay for the determination of urinary 8-hydroxy-2′-deoxyguanosine by high-performance liquid chromatography with electrochemical detection 689(1997)399

**Drugs**
Defining drug purity through chromatographic and related methods: current status and perspectives 689(1997)137

Particle-loaded membranes for sample concentration and/or clean-up in bioanalysis 689(1997)221

**Electrospray ionisation**
Determination of lysergide in urine by high-performance liquid chromatography combined with electrospray ionisation mass spectrometry 689(1997)335

**Enantiomer separation**
Separation of the stereoisomers of the main metabolite of a non-steroidal anti-inflammatory drug, flobufen, by chiral high-performance liquid chromatography 689(1997)205

**[D-Ala$^2$,D-Leu$^5$]Enkephalin**
Determination of [D-Ala$^2$,D-Leu$^5$]enkephalin and the metabolites containing C-terminal D-leucine by high-performance liquid chromatography 689(1997)287

**Enzymes**
Purification of anti-chymotrypsin antibodies for the preparation of a bioaffinity matrix with oriented chymotrypsin as immobilized ligand 689(1997)273

Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305

***O*-Ethyl *S*-2-Diisopropylaminoethyl methylphosphonothiolate**
Determination of the main hydrolysis product of *O*-ethyl *S*-2-diisopropylaminoethyl methylphosphonothiolate, ethyl methylphosphonic acid, in human serum 689(1997)327

**Ethyl methylphosphonic acid**
Determination of the main hydrolysis product of *O*-ethyl *S*-2-diisopropylaminoethyl methylphosphonothiolate, ethyl methylphosphonic acid, in human serum 689(1997)327

**Fatty acid methyl esters**
Easy differentiation of *Mycobacterium mucogenicum* from other species of the *Mycobacterium fortuitum* complex by thin-layer and gas chromatography of fatty esters and alcohols 689(1997)341

**Flobufen**
Separation of the stereoisomers of the main metabolite of a non-steroidal anti-inflammatory drug, flobufen, by chiral high-performance liquid chromatography 689(1997)205

**Ginsenosides**
Gas chromatographic–mass spectrometric determination of 20(*S*)-protopanaxadiol and 20(*S*)-protopanaxatriol for study on human urinary excretion of ginsenosides after ingestion of ginseng preparations 689(1997)349

**Glucose**
Post-column enzyme reactors for chemiluminometric detection of glucose, 1,5-anhydroglucitol and 3-hydroxybutyrate in an anion-exchange chromatographic system 689(1997)393

**Glutamate**
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305

**γ-Glutamyl hydrolase**
Capillary electrophoresis of methotrexate polyglutamates and its application in evaluation of γ-glutamyl hydrolase activity 689(1997)387

**Glycoconjugates**
Capillary biomolecular separations 689(1997)55

**Glycoproteins**
Analysis of recombinant DNA-derived glycoproteins via high-performance capillary electrophoresis coupled with off-line matrix-assisted laser desorption ionization time-of-flight mass spectrometry 689(1997)215

**Guanase**
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305

**4-Hydroxyacetophenone**
Electron-capture detection: difluorobenzyl and related electrophores 689(1997)195

**3-Hydroxybutyrate**
Post-column enzyme reactors for chemiluminometric detection of glucose, 1,5-anhydroglucitol and 3-hydroxybutyrate in an anion-exchange chromatographic system 689(1997)393

**Hydroxychloroquine**
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91

**8-Hydroxy-2′-deoxyguanosine**
Assay for the determination of urinary 8-hydroxy-2′-deoxyguanosine by high-performance liquid chromatography with electrochemical detection 689(1997)399

**7-Hydroxymethotrexate**
Determination of methotrexate and its metabolite 7-hydroxymethotrexate by direct injection of human plasma into a column-switching liquid chromatographic system using post-column photochemical reaction with fluorimetric detection 689(1997)379

**25-Hydroxyvitamin $D_3$**
Determination of 25-hydroxyvitamin $D_3$ in human plasma by reversed-phase high-performance liquid chromatography with ultraviolet detection 689(1997)409

**25-Hydroxyvitamin $D_3$ 3-sulfate**
Determination of 25-hydroxyvitamin $D_3$ in human plasma by reversed-phase high-performance liquid chromatography with ultraviolet detection 689(1997)409

**Immunoglobulins**
Diagnostic applications of chromatography and capillary electrophoresis 689(1997)155

**Insulin**
Dual microcolumn immunoassay applied to determination of insulin secretion from single islets of Langerhans and insulin in serum 689(1997)295

Monitoring single-cell pharmacokinetics by capillary electrophoresis and laser-induced native fluorescence 689(1997)321

**D-Leucine**
Determination of [D-Ala$^2$,D-Leu$^5$]enkephalin and the metabolites containing C-terminal D-leucine by high-performance liquid chromatography 689(1997)287

**Leucovorin**
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91

**Lysergic acid diethylamide**
Determination of lysergide in urine by high-performance liquid chromatography combined with electrospray ionisation mass spectrometry 689(1997)335

**Lysophosphatidylcholine**
Simultaneous determination of lysophospholipids by high-performance liquid chromatography with fluorescence detection 689(1997)281

**Lysophospholipids**
Simultaneous determination of lysophospholipids by high-performance liquid chromatography with fluorescence detection 689(1997)281

**Medazepam**
Automated on-line solid-phase extraction–gas chromatography with nitrogen–phosphorus detection: determination of benzodiazepines in human plasma 689(1997)35

**Methotrexate**
Determination of methotrexate and its metabolite 7-hydroxymethotrexate by direct injection of human plasma into a column-switching liquid chromatographic system using post-column photochemical reaction with fluorimetric detection 689(1997)379

**Methotrexate polyglutamates**
Capillary electrophoresis of methotrexate polyglutamates and its application in evaluation of γ-glutamyl hydrolase activity 689(1997)387

**N-Methylsalsolinol**
Assay for the (*R*)- and (*S*)-enantiomers of salsolinols in biological samples and foods with ion-pair high-performance liquid chromatography using β-cyclodextrin as a chiral mobile phase additive 689(1997)313

**Midazolam**
Automated on-line solid-phase extraction–gas chromatography with nitrogen–phosphorus detection: determination of benzodiazepines in human plasma 689(1997)35

**Monatepil maleate**
Simultaneous determination of a novel calcium entry blocker, monatepil maleate, and its metabolites in rat plasma by means of solid-phase extraction and reversed-phase liquid chromatography with electrochemical detection 689(1997)427

**Mycolates**
Easy differentiation of *Mycobacterium mucogenicum* from other species of the *Mycobacterium fortuitum* complex by thin-layer and gas chromatography of fatty esters and alcohols 689(1997)341

**Mycolic acid methyl ester**
Easy differentiation of *Mycobacterium mucogenicum* from other species of the *Mycobacterium fortuitum* complex by thin-layer and gas chromatography of fatty esters and alcohols 689(1997)341

**Neurotensin**
Separation and detection of closely related peptides by micellar electrokinetic chromatography coupled with electrospray ionization mass spectrometry using the partial filling technique 689(1997)3

**Omeprazole**
Determination of omeprazole in human plasma by high-performance liquid chromatography 689(1997)239

**Opiates**
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**Ovalbumin**
Analysis of recombinant DNA-derived glycoproteins via high-performance capillary electrophoresis coupled with off-line matrix-assisted laser desorption ionization time-of-flight mass spectrometry 689(1997)215

**Oxoglutamate**
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305

**Peptides**
Separation and detection of closely related peptides by micellar electrokinetic chromatography coupled with electrospray ionization mass spectrometry using the partial filling technique 689(1997)3

**Phenols**
Gas chromatographic–mass spectrometric identification and quantitation of urinary phenols after derivatization with 4-carbethoxyhexafluorobutyryl chloride, a novel derivative 689(1997)415

**Platelet-activating factor**
Simultaneous determination of lysophospholipids by high-performance liquid chromatography with fluorescence detection 689(1997)281

**Polyclonal antibodies**
Purification of anti-chymotrypsin antibodies for the preparation of a bioaffinity matrix with oriented chymotrypsin as immobilized ligand 689(1997)273

**Polystyrene**
Novel polymeric solid-phase extraction material for complex biological matrices
689(1997)117

**Proteins**
Capillary biomolecular separations 689(1997)55

**20(*S*)-Protopanaxadiol**
Gas chromatographic–mass spectrometric determination of 20(*S*)-protopanaxadiol and 20(*S*)-protopanaxatriol for study on human urinary excretion of ginsenosides after ingestion of ginseng preparations 689(1997)349

**20(*S*)-Protopanaxatriol**
Gas chromatographic–mass spectrometric determination of 20(*S*)-protopanaxadiol and 20(*S*)-protopanaxatriol for study on human urinary excretion of ginsenosides after ingestion of ginseng preparations 689(1997)349

**Pyridinium crosslinks**
Determination of pyridinium crosslinks in serum. An optimization of sample preparation 689(1997)404

**Pyrimethamine**
Alternative method for determination of pyrimethamine in plasma by high-performance liquid chromatography 689(1997)433

**Salsolinol**
Assay for the (*R*)- and (*S*)-enantiomers of salsolinols in biological samples and foods with ion-pair high-performance liquid chromatography using β-cyclodextrin as a chiral mobile phase additive 689(1997)313

**Serum deoxypyridinoline**
Determination of pyridinium crosslinks in serum. An optimization of sample preparation 689(1997)404

**Serum proteins**
Diagnostic applications of chromatography and capillary electrophoresis 689(1997)155

**Serum pyridinoline**
Determination of pyridinium crosslinks in serum. An optimization of sample preparation 689(1997)404

**Styrosorb**
Novel polymeric solid-phase extraction material for complex biological matrices
689(1997)117

**Sucrose monododecanoate**
Separation and detection of closely related peptides by micellar electrokinetic chromatography coupled with electrospray ionization mass spectrometry using the partial filling technique 689(1997)3

**Tamoxifen**
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91

**Theophylline**
Hair analysis, a novel tool in forensic and biomedical sciences: new chromatographic and electrophoretic/electrokinetic analytical strategies 689(1997)261

**β-Tigogenin cellobioside**
Development of a high-performance liquid chromatographic–atmospheric pressure chemical ionization–tandem mass spectrometric assay for β-tigogenin cellobioside in human serum 689(1997)365

**Toxic compounds**
Potential of high-performance liquid chromatography with photodiode array detection in forensic toxicology 689(1997)45

**Toxicological analysis**
Gas chromatography–mass spectrometry (GC–MS) and liquid chromatography–mass spectrometry (LC–MS) in toxicological analysis
689(1997)81

**N-(Trifluoroacetyl)prolyl derivatives**
Enantioselective gas chromatographic assay of 2-alkylamines using N-(trifluoroacetyl)prolyl derivatives and a chiral capillary column 689(1997)165

**Verapamil**
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91

**Vitamins**
Determination of 25-hydroxyvitamin $D_3$ in human plasma by reversed-phase high-performance liquid chromatography with ultraviolet detection 689(1997)409

**Xanthine**
Simultaneous assay for aspartate aminotransferase and guanase in human serum by high-performance liquid chromatography 689(1997)305

**Zidovudine**
Column-switching techniques in the biomedical analysis of stereoisomeric drugs: why, how and when 689(1997)91